

polymerization using a pulsed gas regime to form adherent layer of unsaturated carboxylic (e.g. acrylic) acid polymer on the surface and then derivatising the polymer to attach a perfluoroalkyl group terminating in  $-\text{CF}_3$  trifluoromethyl. A combination of electrical and gas pulsing may be used. --

*As*

Please replace the paragraph beginning at page 2, lines 1 through 3 with the following:

-- Preferably, the cold plasma polymerisation uses an unsaturated carboxylic acid. --

Please replace the paragraph beginning at page 2, lines 8 through 10 with the following:

*Ay* -- The pulsed gas may be oxygen, or may be a noble or inert gas or  $\text{H}_2$ ,  $\text{N}_2$  or  $\text{CO}_2$ .  
Alternatively, acrylic acid polymer precursor may be pulsed directly without a process gas. --

Please replace the paragraph beginning at page 2, lines 22 through 23 with the following:

*As* -- The plasma power is preferably 1W to 100W, more preferably 1.5W to 7W. --

*Al*

Please delete the paragraph beginning at page 10, lines 1 through 6.

In the Claims:

Please cancel claims 1-12 without prejudice and add the following new claims.

13. (New) A material comprised of a body to which a polymer film is applied by exposing the body to pulsed-gas cold-plasma polymerization of an unsaturated-carboxylic acid monomer.

14. (New) The material of claim 13, wherein the film is derivatized with a fluoro-substituted group.

15. (New) The material of claim 13, wherein the body is porous or microporous.